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| APPLICATION NO.  | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 10/627,567   | 07/24/2003  | Kuen-Dong Ha         | 50392/DBP/Y35       | 3410             |
| 23363  | 7590        | 11/01/2005           | EXAMINER            |                  |
| CHRISTIE, PARKER & HALE, LLP<br>PO BOX 7068<br>PASADENA, CA 91109-7068 |             |                      | GUHARAY, KARABI     |                  |
|  |             |                      | ART UNIT            | PAPER NUMBER     |
|  |             |                      | 2879                |                  |

DATE MAILED: 11/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

|                              |                        |                     |  |
|------------------------------|------------------------|---------------------|--|
| <b>Office Action Summary</b> | <b>Application No.</b> | <b>Applicant(s)</b> |  |
|                              | 10/627,567             | HA ET AL.           |  |
|                              | <b>Examiner</b>        | <b>Art Unit</b>     |  |
|                              | Karabi Guharay         | 2879                |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on Amendment, filed on 7/5/05.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-10, 16 and 17 is/are allowed.
- 6) ☒ Claim(s) 11-15 & 18-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

Amendment, filed on 7/5/05 has been considered and entered.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 11-15 & 18-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Hasegawa (JP 11-219664).

Regarding claim 11, Hasegawa discloses a support members (20 of Fig 1, Fig 2, Fig 4 & Fig 6) being formed by a spring (line 1 of paragraph 0009) comprising a fixed section (weld zone 21) secured to the color selection apparatus (see Fig 3), a locking section (stop section 22) connected to the vacuum assembly and a center section (intermediate section 23, between 24 and 24a) formed between the fixed section (21) and the locking section (22) wherein the center section is planar (see Fig 1a, Fig 6, Fig 4c) fixed section and the center section are separated by and bent at a first folding trace (24 of Fig 1b), and the center section and the locking section are separated by and bent at a second folding trace (24a), wherein an angle  $\theta$  formed between the first folding line (24 at the beginning of intermediate portion,) and a straight line drawn on the fixed section along the direction of the width of the support member 20 (direction A, shown in Fig 1a) and the second folding trace (24a) has an angle  $\theta'$  (shown in Fig 1a) with a straight line drawn on the center portion along direction X (in this case, direction

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A, which is along the width of the spring 20), angle  $\theta$  is greater than angle  $\theta'$  (see Fig 1a, & paragraph 0020).

Regarding claim 12, Hasegawa discloses that the direction of bend between fixed section and the center section is opposite to the direction of bent between the center section and the locking section (see Fig 1b & Fig 3).

Regarding claims 13 & 14, Hasegawa discloses that the one or more support member (10 or 20) further comprises a holder (9) that is welded to the color selection apparatus and to the corresponding fixed section (Fig 10).

Regarding claim 15, Hasegawa discloses that a connecting hole (25) is formed on the locking section (22) and the connecting hole is secured to a stud pin (12) mounted to an inner surface of the panel of the vacuum tube assembly (Fig 1a & Fig 10).

Regarding claim 18, Hasegawa discloses that the angle  $\theta_1$  is equal to  $45^\circ$  (see Fig 1a, and Fig 6b, paragraph 0019).

Regarding claim 19, Hasegawa discloses that angle  $\theta_2$  is greater than  $45^\circ$ , thus satisfy the claimed relation (see Fig 6b).

### ***Allowable Subject Matter***

Claims 1-10 & 16-17 are allowed over the prior art of record.

Regarding claim 1, applicant's amendment of claim 1 overcomes the rejection of claims 1-6, & 9-10.

Regarding claim 1, the prior art of record neither shows nor suggests a cathode ray tube comprising all the limitations of claim 1 particularly comprising the limitation of

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spring is only bent between the locking section and the fixed section at the first folding trace and the second folding trace.

Reasons for allowance for claims 7-8 & 16-17 are presented in previous office action.

### ***Response to Arguments***

Applicant's arguments filed 7/5/05 regarding claim 11 have been fully considered but they are not persuasive.

Amended claim 11 recites the limitation that the center section is planar. Center section of Hasegawa contains two separate fold lines, but it is planar (see Fig 1a), when it is not bended. Further when folded or bended the center portion consists of two planar sections.

### ***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

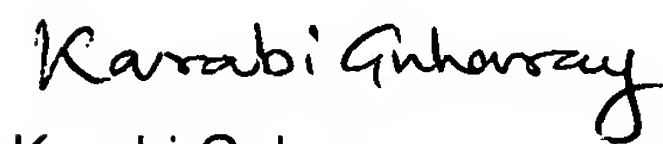
A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

**Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karabi Guharay whose telephone number is (571) 272-2452. The examiner can normally be reached on Monday-Friday 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar D. Patel can be reached on (571) 272-2457. The fax phone number for the organization is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Karabi Guharay  
Patent Examiner  
Art Unit 2879